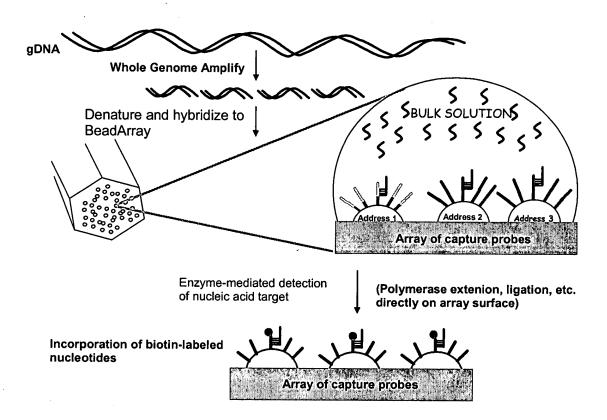
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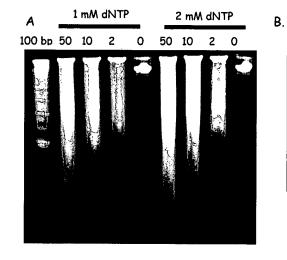
Figure 1



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Figure 2 Four arrays -A. one bead type **SPLIT** (ddATP-BIOTIN) SBE  $\prod$ (ddGTP-BIOTIN) (ddCTP-BIOTIN) **WGA** target (ddUTP-BIOTIN) Incorporated nucleotides В. One array two bead types **ASPE** dUTP-BIOTIN +++dATPdGTP

Figure 3



IIII

**WGA** target

Condition	dNTPs (mM)	Primer (uM)	Yield (ug)	Amplification
1	1	50	49.5	
2	1	10	28.5	2850
3	1	2	120	1200
4	1	0	6.0	600
5	2	50	79.5	
6	2	10	42.0	4200
7	2	2	21.0	2100
8	2	0	6.0	600

dCTP

ASPE reaction

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### Figure 4

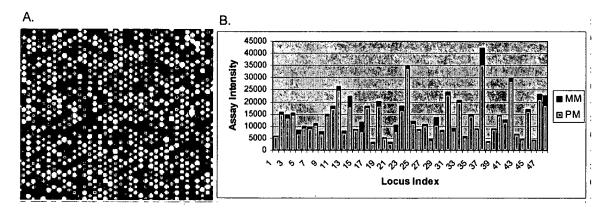


Figure 5

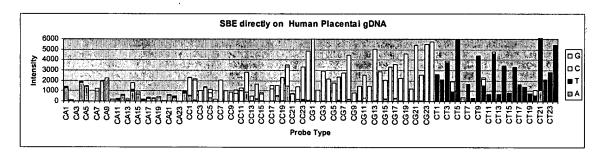
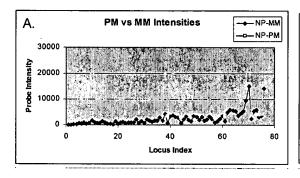
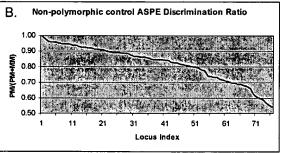


Figure 6





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Figure 7

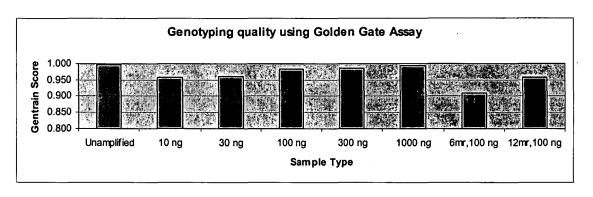
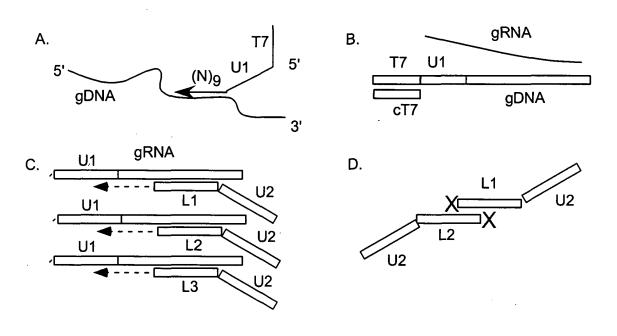


Figure 8



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Figure 9

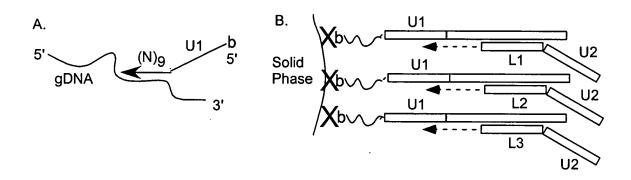
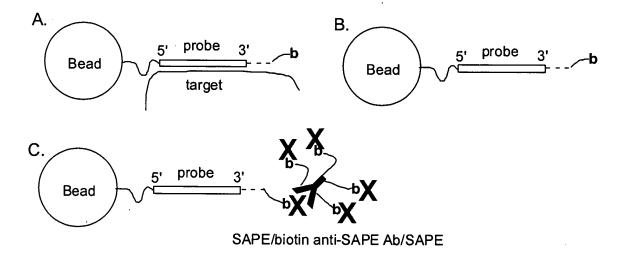
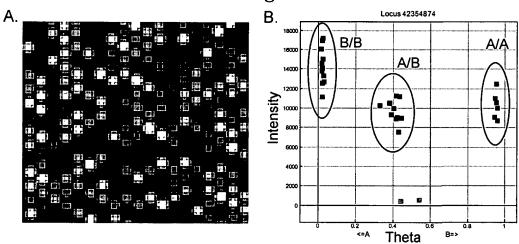


Figure 10



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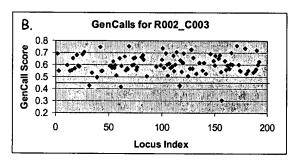
Figure 11

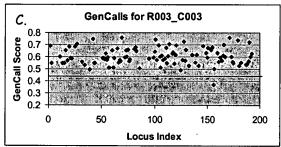


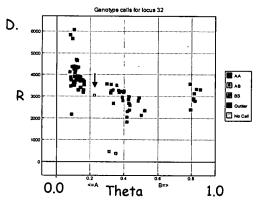
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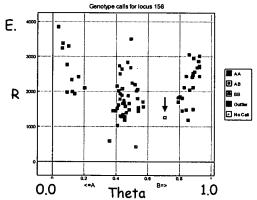
### Figure 12

<u>A.</u>						
Genotyping						
Accuracy:						
Call Rate	Accuracy		Correct Calls			
100%	99.95%	4092	4090			
99.70%	100%	4078	4078			

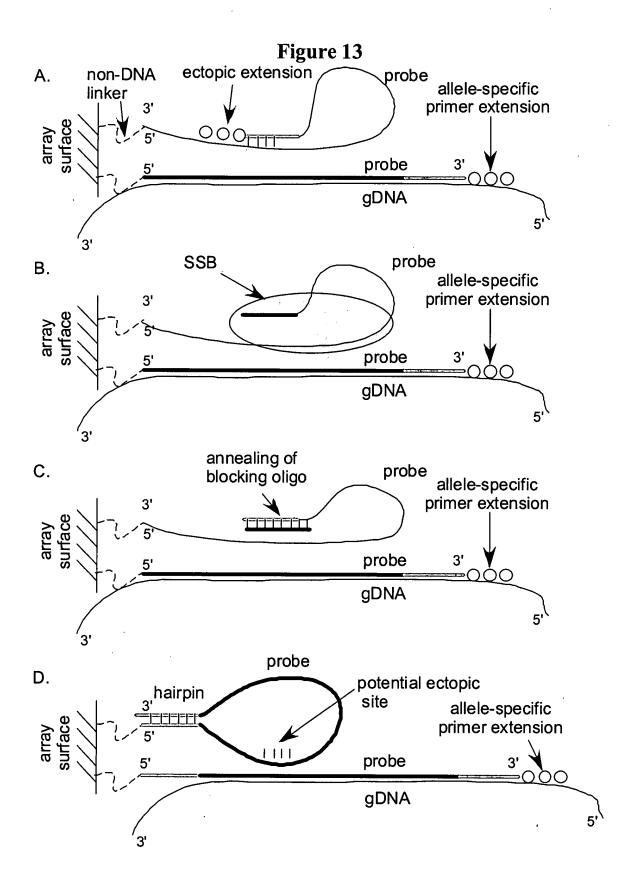








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